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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/080,832	02/21/2002	Yoshitaka Haraguchi	10417-121001 / F51-143215	9594
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CHRIS T. MIZUMOTO			EXAMINER	
Fish & Richardson P.C. Suite 2800			NGUYEN, JOSEPH H	
45 Rockefeller Plaza New York, NY 10111			ART UNIT	PAPER NUMBER
- · · · · · · · · · · · · · · · · · · ·			2815	

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Application Application Application			NC NC				
## Deficie Action Summ ry Examiner		Application No.	Applicant(s)				
Joseph Nguyen 2815	Office Action Summ nu	<u> </u>					
Preiod for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions or time may be writined used the provided used for the provided or steply specified above is less than thirty (39) days, a reply within the statutory minimum of lifting (30) days, will be considered timely. If the period for reply specified above is less than thirty (39) days, a reply within the object of the provided for reply specified above is less than their (39) days and well against (30) MONTH for the mailing date of this communication. The provided is the provided for reply specified to the provided of the provide	Office Action Summ Ty		Art Unit				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION. Extracions of time may be available under the provisions of 37 CFR 1.735(s). In no event, however, may a reply be timaly filled Extracions of time may be available under the provisions of 37 CFR 1.735(s). In no event, however, may a reply be timaly filled Extracions of time may be available under the provisions of 37 CFR 1.735(s). In no event, however, may a reply be timaly filled Extracions of the may be available under the provisions of 37 CFR 1.735(s). In overent, however, may a reply be timaly filled If NO period for reply is specified above, he maximum statutory protective all specified size (1 this period of the provision of their) (20) days, will be considered timely. If NO period for reply a specified above, he maximum statutory period will apply used us picks SIX (6) MONTH'S from the matter of the provision of the above claim(s) is/are allowed. 5] □ Claim(s) is/are allowed. 5] □ Claim(s) is/are allowed. 5] □ Claim(s) is/are objected to. 3] □ Claim(s) is/are objected to. 3] □ The specification is objected to by the Examiner. 10) □ The proposed drawing correction filled on	The MAIL INC DATE of this communication com						
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1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are objected. 7) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) is/are objected to. 8) Claim(s) is/are objected to by the Examiner. 10) The drawing(s) filed on 21 February 2002 is/are: a) accepted or b) objected to by the Examiner. Application Papers 9) The specification is objected to by the Examiner. 10) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. §§ 119 and 120 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Attachment(s) Notice of References Cited (PTO-852) Notice of Informal Patent Application (PTO-152)	THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
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	2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal					

Page 2

Application/Control Number: 10/080,832

Art Unit: 2815

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Teronai et al.

Regarding claim 1, Teronai et al discloses on figure 1 a semiconductor device comprising an anode driver 2 and a cathode driver 5 laid out equally in a chip; and memory portions connected to the drivers, each memory portion arranged equally in the vicinity of each of the driver, wherein the semiconductor device is made in one chip with the drivers and memory portions.

Regarding claims 2-7, Teronai et al discloses on figure 1 all the structures set forth in the claimed invention.

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Claims 8-17 are rejected under 35 U.S.C. 102(e) as being anticipated by Minami et al.

Minami et al discloses on figure 15 a semiconductor device for drivers made in one chip comprising output regions corresponding to one bit arranged to constitute output bit group, wherein a plurality of the output groups are arranged at periphery in the chip.

Regarding claims 9-17, Minami et al discloses on figure 15 all the structures set forth in the claimed invention.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent 6198128 B1 to Asakura et al disclose a semiconductor device.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Nguyen whose telephone number is (703) 308-1269. The examiner can normally be reached on Monday-Friday, 7:30 am- 4:30 pm

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (703) 308-1690. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 308-7382 for regular communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

JN August 6, 2003

EDDIE LEE

SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800